



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090669

**Mode:** Highway

**Status:** Submitted

### US-15, US-501

**From/Cross Street:** US 401

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 1

**Project Category:** Regional Impact

**Length:** 23.14

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$177,603,000

#### Description:

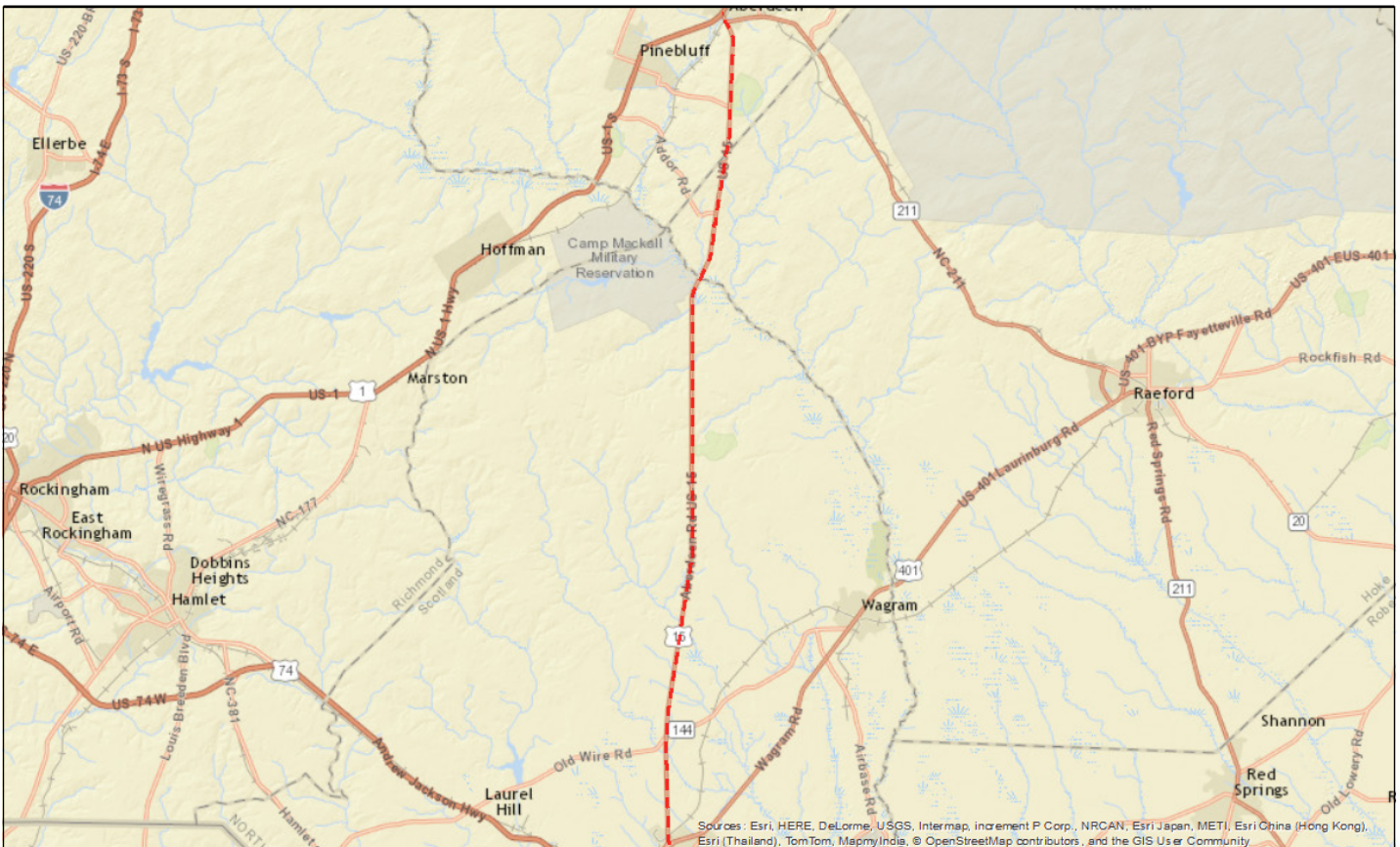
Widen US 15/501 to Four Lanes from US 401 in Laurinburg to Where US 1 Becomes Four Lanes in Aberdeen.

**Division(s):** Division 8

**County(s):** SCOTLAND, MOORE, HOKE

**MPOS(s)/RPO(s):** Lumber River RPO, Triangle Area RPO

#### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 28.52**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 26.24	Percent: 15%	Percent: 15%
Safety (10%) 43.02	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.08		
Accessibility / Connectivity (10%) 26.43		
<b>Totals: Weight: 70% Weighted Score: 13.52</b>		

**Division Needs Total Score: 34.56**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 26.24	Percent: 25%	Percent: 25%
Safety (10%) 43.02	Points: 0	Points: 100
[Travel Time] Benefit/Cost (20%) 0.08		
<b>Totals: Weight: 50% Weighted Score: 9.56</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	23.14
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	6144.77
Capacity:	15503.73
Volume/Capacity Ratio:	0.4
% Autos:	92%
% Trucks:	8%
Truck Volume:	482.22
Crash Density:	50.23
Crash Severity:	41.98
Critical Crash Rate:	36.85
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	91
Actual Congested Speed:	55.44
Travel Time Index:	0.98

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	23.14
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	604988.7
Travel Time Savings for 30 Years (Autos):	557511.78
Travel Time Savings for 30 Years (Trucks):	47476.92
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 8	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Lumber River RPO	83%	83	83
Triangle Area RPO	17%	17	17
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>100</b>

**Project Cost and Source**

Construction Cost:	\$153,900,000	TIP Unit
Right-of-Way Cost:	\$21,163,000	Cost Estimation Tool
Utilities Cost:	\$2,540,000	Cost Estimation Tool
Total Project Cost:	\$177,603,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$177,603,000</b>	